

Installation Instructions

PDU, Three-Phase, Vertical 208V - 20A, 30A or 50A; 415V - 16A or 30A

Safety Information



WARNING: Improper use of this product may lead to serious injury or death. Read and understand all instructions for proper installation and use of this product.



CAUTION: The input plug of this power tap is intended to serve as the disconnect device, it shall be easily accessible and withdrawn.



CAUTION: Equipment connections to the PDU must adhere to the nameplate ratings listed otherwise an overload condition may cause damage to the protection circuitry and supply wiring.

Installation Guidelines

- Overcurrent protection is an element accounted for during the building/room design and installation. The PDU relies on adequate building overcurrent protection. Insure that UL listed circuit breakers are utilized for overcurrent protection.
- Please note that the PDUs that do not include a circuit breaker rely on building/room electrical installation for overcurrent protection. These PDUs should be connected to building/room electrical branch that is protected with a 20 Amp circuit breaker.
- Install the PDU using qualified installation and service personnel.
- Install the PDU in cabinets with a temperature no greater than 65°C (149 °F)
- Do not inhibit cabinet airflow with the installation of the PDU.
- Avoid unstable mounting which could develop into a hazardous condition.
- Equipment plugged into this PDU should be grounded to a grounding bus separate from the branch circuit grounding bus.
- Insure that the outlet plugs on the PDU are easily and readily accessible for interruption of service (disconnection). Do not block or obstruct access to the outlets in any way.

- ALWAYS disconnect all input and output power cords on the PDU before servicing. Never install the PDU in a location where there may be a presence of water.
- Remove power to the PDU before removing existing or installing new equipment.
- An optional PDU external Ground Wire is included with the PDU, and is an enhanced feature for RFI and EMI noise reduction when required. Follow Grounding and Bonding methods when connecting the Ground Wire to the Racks and/or Cabinets at customer discretion.

Notes

- **Elevated Operating Ambient-** If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Consideration should be given to installing the equipment in an environment compatible with the maximum rated ambient temperature of 65°C (149 °F).
- **Reduced Air Flow** – Installation of the equipment in a rack should be such that the amount of airflow required for safe operation of the equipment is not compromised.
- **Mechanical Loading** – Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading of the mounting buttons.
- **Circuit Overloading** – Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
- **Reliable Earthing** – Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit.
- **Service Personnel** – Only service personnel should install and access this equipment.



CHATSWORTH PRODUCTS, INC.

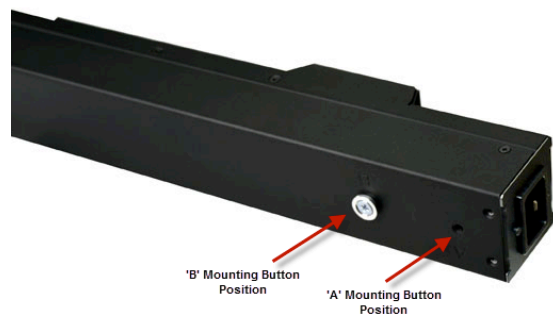
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For domestic and international phone numbers, see our website or contact CPI Tech Support.

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Mounting Instruction

1. PDU comes pre-installed with 2 tool-less mounting buttons at positions B/B1, which represents 61.25" apart
2. The tool-less mounting buttons can be placed 64.75" apart by using either B/B2 or A/A2 combinations
3. The PDU can be moved either up or down to improve input cord bending radius by moving the tool-less mounting buttons from B to A location.
4. Detailed explanation can be found on the PDU specification documentation available on CPI website, www.chatsworth.com



Installation

1. Mount PDU to rack/cabinet. Brackets are not provided with the PDU. Brackets can be ordered separately.
2. Ensure the rating of the PDU matches that of the branch circuit it is plugged into.
3. Connect Three-Phase 208V rated PDU's to Three-Phase 208V 20, 30 or 50 AMP circuits. Connect Three-Phase 415V rated PDU's to Three-Phase 208V 16, 30 Amp Circuits.
4. Test each PDU outlet with a multimeter to insure proper outlet voltage before plugging any equipment into the PDU.
5. Make sure equipment power is OFF before plugging into the PDU
6. In order to avoid current surge to the PDU, power up equipment in a sequential order.

Other Accessories:

- 11762-001 – Tool-less mounting buttons kit, pack of 2
- 11762-002 – Grounding wire kit
- 11762-003 – (50) Cord retention tether kit

CPI Bracket Kits

- 13762-701 - Mega Frame Bracket (also good for SlimFrame, T-CAB)
- 13780-C01 - Tera Frame Bracket
- 25146-701 - Global Frame Bracket

Specifications

- UL 60950-1, IEC 60950, CSA C22.2, CE, NOM, RoHS, FCC Part 15 Class A, En 55022
- Three-Phase 208 Volt @ 20 Amp, 50/60Hz power PDU de-rated to 16 amps
- Three-Phase 208 Volt @ 30 Amp, 50/60Hz power PDU de-rated to 24 amps
- Three-Phase 120/208 Volt @ 20 Amp, 50/60Hz power PDU de-rated to 16 amps
- Three-Phase 120/208 Volt @ 30 Amp, 50/60Hz power PDU de-rated to 24 amps
- Three-Phase 208 Volt @ 50 Amp, 50/60Hz power PDU de-rated to 40 amps
- Three-Phase 415 Volt @ 16 Amp, 50/60Hz power PDU de-rated to 16 amps

Service and Maintenance

There are NO field serviceable or maintained parts on or in this PDU. Opening of the PDU housing will void product warranty and UL listing.

Note:

PDU current ratings have been de-rated in accordance with UL/NEC recommended guidelines.

CPI Part Numbers

This document applies to the following CPI part numbers

Px-1Z0XX where

x = 1 to 6

Z = L to Z

XX = A1 / A5 / B1 / B5 / C3 / E3 / F3 / G3 / K4 / L4

CPI Accessories

Environmental Probes:

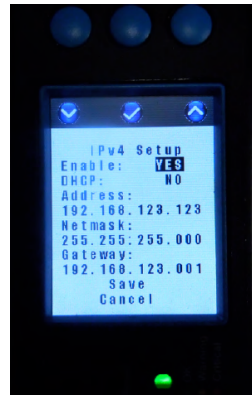
17761-001 – (1) Temperature and Humidity Probe, 6ft long

17761-002 – Splitter for second temp and hum probe

17761-003 – Kit, (2) Temperature and Humidity Probes, Splitter, 6ft long each

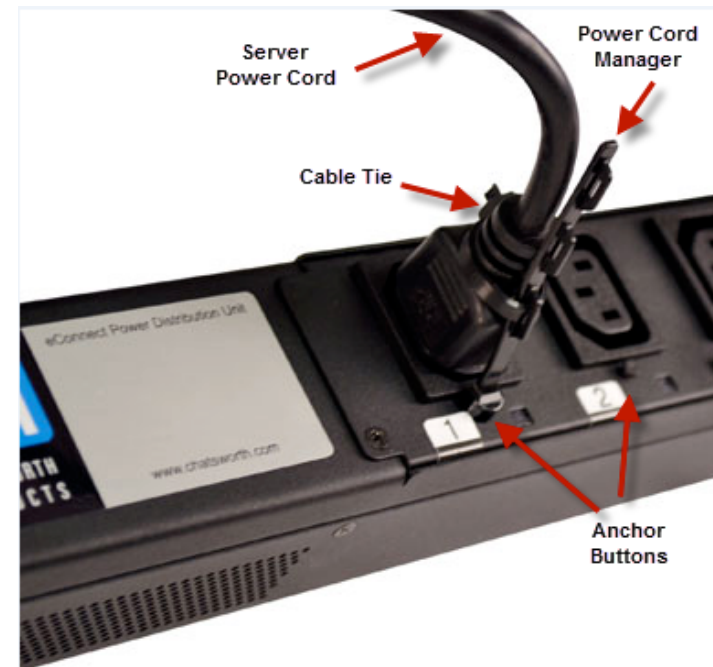
IP Setup Instruction using Local Display on the PDU

1. Energize the PDU
2. From the PDU Total screen, use the **Tool** button to display the Setup Menu.
3. From the **Setup Menu** screen, use **Up** or **Down** buttons to choose IPv4 or IPv6 Network Setup and select by pressing the **Checkmark** button.
4. From the IPv4 or IPv6 Setup Menu screen, use Up or Down buttons to navigate to the desired field which will be highlighted and enter the appropriate Network information
5. Use **Up** or **Down** buttons to highlight the **Save** option and press the **Checkmark** button to save the Network data.



Power Cord Manager User Instructions

1. Every eConnect PDU ships with a plastic bag including power cord managers that can be used to secure server power cords to the PDU in order to prevent any accidental device shutdown
2. Each power cord manager slides on an anchor button placed next to each C13, C19 and 5-20R outlet
3. Once the power cord manager is in place next to a plug, a cable tie should be installed through one of the holes in the power cord manager securing the plug tight. Preferably use one of holes that secure the mold of the plug and NOT the cable portion.
4. This power cord manager system is included with every PDU at no additional cost, and each power cord manager can be reused for another PDU or application. If additional power cord managers are needed, they can be ordered separately.
5. See picture below:



For additional information please visit <http://www.chatsworth.com/power-management>